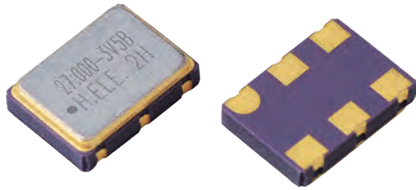




CRYSTAL OSCILLATOR

VCXO

HSV753S Series



Features:

- SMD type VCXO with a mature industry production history.
- Better tolerance performance with voltage IC control.
- Common solution for new production design in networking applications, such as ADSL, set-top box, and base stations.

Dimension (mm):

Pin	Connections
1	Vcont
2	OE
3	GND
4	Output
5	NC
6	Vdd

Recommended Land Pattern (mm)
<Top View>

Test Circuit and Output Waveform:

Measurement Circuit

※ CL: Including Fixture and Probe Capacitance

Output Waveform

$SYM = \frac{TH}{TH+TL} \times 100(\%)$

Standard Specification:

ITEM	TYPE	HSV753S
Frequency Range		1.8MHz ~ 55MHz
Frequency Stability		±25ppm, ±50ppm, ±100ppm
Power Voltage		+3.3 V ~ +5.0V (±10%V)
Frequency Pulling Range		±50ppm, ±90ppm Min
Control Voltage Range		0.3V to 3.0V ~ 0.5V to 4.5V
Storage Temp.		-55°C ~ +125°C
Current Consumption		30mA Max.
Output Character	"0" Level	10%VDD Max.
	"1" Level	90%VDD Min.
	Rise Time (Tr)	10% ~ 90%VDD 10ns Max.
	Fall Time (Tf)	90% ~ 10%VDD 10ns Max.
	Symmetry	40/60% at 50%VDD
	Output Load	15pF